

*from:***Abstract of the disclosure:**

The invention relates to a process for producing thin slabs and to a continuous casting installation for this purpose, having a laterally adjustable mold into which an immersion nozzle protrudes, and in which there is opposite a larger crowned cross section on the charging side a cross section on the strand outlet side which is small and identically crowned in the central region, and having pairs of supporting and guiding rollers which follow the mold and have a caliber adapted to the emerging crowned strand. In this case,

- a) the immersion nozzle (11) has a spade-shaped mouth (13) with a maximum thickness (d) corresponding to $d = 0.3 \text{ to } 0.5 \times D_E$, where D_E is the distance between the mold broad faces (21) in the charging region,
- b) the broad-face parts (21) have at least in the shadow region of the immersion nozzle (11) central parts (23) which are arranged parallel to one another according to their contour lines,
- c) the broad-face plates (21) are designed at least in the adjusting region of the narrow-face plates (22) as planar side surfaces (24, 25),

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TRANSLATION

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from:

- d) the planar side surfaces (24, 25) are arranged such that they move conically toward each other in the direction of the narrow faces (22),
- e) the planar-surface central plate (23) is connected to the planar-surface side surfaces (24, 25) by transitional parts (26, 27),
- f) the transitional parts (26, 27) taper toward each other in the form of a wedge and the wedge tip (28) ends at a distance (a), measured from the upper edge of the mold, with $a = 0.5 \text{ to } 0.8 \times L$, where L = the length of the mold, and
- g) the supporting and guiding rollers (41) have a contour which corresponds to the planar-surface central plate (23) and the planar side plates (24, 25) of the mold broad faces (21) in the region of the mouth of the mold.

Significant figure: Figure 1.

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